

# Trinity River Basin (08) and Portion of Bays and Estuaries (24)

## TRINITY RIVER BASIN (08)

Four forks of the Trinity River drain a large portion of north central Texas before merging into a single stream that flows south-southeastward and discharges into Trinity Bay on the Texas coast.

- The longest fork, the West Fork, originates in south-eastern Archer County and flows across Jack, Wise, and Tarrant counties before joining the main stem in Dallas County.
- The Clear Fork originates in Parker County and flows southeastward, merging with the West Fork in Tarrant County.
- The Elm Fork originates near the Montague County line and flows across Cooke and Denton counties, converging with the West Fork in Dallas County.
- The East Fork originates in Cooke County and flows southward through Collin and Kaufman counties, joining the main stem at the Kaufman/Ellis county line.

The main stem of the Trinity River is formed at the confluence of the West Fork Trinity River and the Elm Fork Trinity River. The total drainage area of the system is 17,969 square miles and includes parts of 34 counties. The Dallas/Fort Worth metropolitan area is the largest urban area in the basin.

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| 0801 | <u>Trinity River Tidal</u> - from the confluence with Anahuac Channel in Chambers County to a point 3.1 kilometers (1.9 miles) downstream of US 90 in Liberty County   |
| 0802 | <u>Trinity River Below Lake Livingston</u> - from a point 3.1 kilometers (1.9 miles) downstream of US 90 in Liberty County to Livingston Dam in Polk/San Jacinto County  |
| 0803 | <u>Lake Livingston</u> - from Livingston Dam in Polk/San Jacinto County to a point 1.8 kilometers (1.1 miles) upstream of Boggy Creek in Houston/Leon County, up to the normal pool elevation of 131 feet (impounds Trinity River)                             |
| 0804 | <u>Trinity River Above Lake Livingston</u> - from a point 1.8 kilometers (1.1 miles) upstream of Boggy Creek in Houston/Leon County to a point immediately upstream of the confluence of the Cedar Creek Reservoir discharge canal in Henderson/Navarro County |

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| 0805 <sup>♦</sup> | <u>Upper Trinity River</u> - from a point immediately upstream of the confluence of the Cedar Creek Reservoir discharge canal in Henderson/Navarro County to a point immediately upstream of the confluence of Elm Fork Trinity River in Dallas County       |
| 0806 <sup>+</sup> | <u>West Fork Trinity River Below Lake Worth</u> - from a point immediately upstream of the confluence of Village Creek in Tarrant County to Lake Worth Dam in Tarrant County   |
| 0807 <sup>+</sup> | <u>Lake Worth</u> - from Lake Worth Dam in Tarrant County to a point 4.0 kilometers (2.5 miles) downstream of Eagle Mountain Dam in Tarrant County, up to the normal pool elevation of 594.3 feet (impounds West Fork Trinity River)                         |
| 0808 <sup>+</sup> | <u>West Fork Trinity River Below Eagle Mountain Reservoir</u> - from a point 4.0 kilometers (2.5 miles) downstream of Eagle Mountain Dam in Tarrant County to Eagle Mountain Dam in Tarrant County   |
| 0809 <sup>+</sup> | <u>Eagle Mountain Reservoir</u> - from Eagle Mountain Dam in Tarrant County to a point 0.6 kilometer (0.4 mile) downstream of the confluence of Oates Branch in Wise County up to the normal pool elevation of 649.1 feet (impounds West Fork Trinity River) |
| 0810 <sup>♦</sup> | <u>West Fork Trinity River Below Bridgeport Reservoir</u> - from a point 0.6 kilometer (0.4 mile) downstream of the confluence of Oates Branch in Wise County to Bridgeport Dam in Wise County   |
| 0811              | <u>Bridgeport Reservoir</u> - from Bridgeport Dam in Wise County to a point immediately upstream of the confluence of Bear Hollow in Jack County, up to the normal pool elevation of 836 feet (impounds West Fork Trinity River)                             |
| 0812              | <u>West Fork Trinity River Above Bridgeport Reservoir</u> - from a point immediately upstream of the confluence of Bear Hollow in Jack County to SH 79 in Archer County  |
| 0813              | <u>Houston County Lake</u> - from Houston County Dam in Houston County up to the normal pool elevation of 260 feet (impounds Little Elkhart Creek)   |
| 0814              | <u>Chambers Creek Above Richland-Chambers Reservoir</u> - from a point 4.0 kilometers (2.5 miles) downstream of Tupelo Branch in Navarro County to the confluence of North Fork Chambers Creek and South Fork Chambers Creek                                 |

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| 0815              | <u>Bardwell Reservoir</u> - from Bardwell Dam in Ellis County up to the normal pool elevation of 421 feet (impounds Waxahachie Creek)  |
| 0816              | <u>Lake Waxahachie</u> - from South Prong Dam in Ellis County up to the normal pool elevation of 531.5 feet (impounds South Prong Creek)   |
| 0817              | <u>Navarro Mills Lake</u> - from Navarro Mills Dam in Navarro County up to the normal pool elevation of 424.5 feet (impounds Richland Creek)   |
| 0818              | <u>Cedar Creek Reservoir</u> - from Joe B. Hoggsett Dam in Henderson County up to the normal pool elevation of 322 feet (impounds Cedar Creek)   |
| 0819 <sup>+</sup> | <u>East Fork Trinity River</u> - from the confluence with the Trinity River in Kaufman County to Rockwall-Forney Dam in Kaufman County   |
| 0820 <sup>+</sup> | <u>Lake Ray Hubbard</u> - from Rockwall-Forney Dam in Kaufman County to Lavon Dam in Collin County, up to the normal pool elevation of 435.5 feet (impounds East Fork Trinity River)                               |
| 0821 <sup>♦</sup> | <u>Lavon Lake</u> - from Lavon Dam in Collin County up to the normal pool elevation of 492 feet (impounds East Fork Trinity River)   |
| 0822 <sup>+</sup> | <u>Elm Fork Trinity River Below Lewisville Lake</u> - from the confluence with the West Fork Trinity River in Dallas County to Lewisville Dam in Denton County   |
| 0823 <sup>+</sup> | <u>Lewisville Lake</u> - from Lewisville Dam in Denton County to a point 200 meters (220 yards) upstream of FM 428 in Denton County, up to the normal pool elevation of 522 feet (impounds Elm Fork Trinity River) |
| 0824              | <u>Elm Fork Trinity River Above Ray Roberts Lake</u> - from a point 9.5 kilometers (5.9 miles) downstream of the confluence of Pecan Creek in Cooke County to US 82 in Montague County                             |
| 0825 <sup>+</sup> | <u>Denton Creek</u> - from the confluence with the Elm Fork Trinity River in Dallas County to Grapevine Dam in Tarrant County  |
| 0826 <sup>+</sup> | <u>Grapevine Lake</u> - from Grapevine Dam in Tarrant County up to the normal pool elevation of 535 feet (impounds Denton Creek)   |

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| 0827 <sup>+</sup> | <u>White Rock Lake</u> - from White Rock Dam in Dallas County up to the normal pool elevation of 458 feet (impounds White Rock Creek)   |
| 0828 <sup>+</sup> | <u>Lake Arlington</u> - from Arlington Dam in Tarrant County up to the normal pool elevation of 550 feet (impounds Village Creek)   |
| 0829 <sup>+</sup> | <u>Clear Fork Trinity River Below Benbrook Lake</u> - from the confluence with the West Fork Trinity River in Tarrant County to Benbrook Dam in Tarrant County  |
| 0830 <sup>+</sup> | <u>Benbrook Lake</u> - from Benbrook Dam in Tarrant County to a point 200 meters (220 yards) downstream of US 377 in Tarrant County, up to the normal pool elevation of 694 feet (impounds Clear Fork Trinity River)  |
| 0831 <sup>+</sup> | <u>Clear Fork Trinity River Below Lake Weatherford</u> - from a point 200 meters (220 yards) downstream of US 377 in Tarrant County to Weatherford Dam in Parker County   |
| 0832 <sup>+</sup> | <u>Lake Weatherford</u> - from Weatherford Dam in Parker County to a point 3.1 kilometers (1.9 miles) upstream of FM 1707 in Parker County, up to the normal pool elevation of 986 feet (impounds Clear Fork Trinity River)   |
| 0833 <sup>♦</sup> | <u>Clear Fork Trinity River Above Lake Weatherford</u> - from a point 3.1 kilometers (1.9 miles) upstream of FM 1707 in Parker County to FM 3107 in Parker County   |
| 0834              | <u>Lake Amon G. Carter</u> - from Amon G. Carter Dam in Montague County up to the normal pool elevation of 920 feet (impounds Big Sandy Creek)  |
| 0835              | <u>Richland Creek Below Richland-Chambers Reservoir</u> - from the confluence with the Trinity River in Freestone County to Richland-Chambers Dam in Freestone County   |
| 0836              | <u>Richland-Chambers Reservoir</u> - from Richland-Chambers Dam in Freestone County to a point immediately upstream of the confluence of Pin Oak Creek on the Richland Creek Arm in Navarro County and to a point 4.0 kilometers (2.5 miles) downstream of Tupelo Branch on the Chambers Creek Arm in Navarro County, up to the normal pool elevation of 315 feet (impounds Richland and Chambers Creeks) |
| 0837              | <u>Richland Creek Above Richland-Chambers Reservoir</u> - from a point immediately upstream of the confluence of Pin Oak Creek in Navarro County to Navarro Mills Dam in Navarro County   |

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| 0838 <sup>+</sup> | <u>Joe Pool Lake</u> - from Joe Pool Dam in Dallas County up to the normal pool elevation of 522 feet (impounds Mountain Creek)  |
| 0839              | <u>Elm Fork Trinity River Below Ray Roberts Lake</u> - from a point 200 meters (220 yards) upstream of FM 428 in Denton County to Ray Roberts Dam in Denton County   |
| 0840              | <u>Ray Roberts Lake</u> - from Ray Roberts Dam in Denton County to a point 9.5 kilometers (5.9 miles) downstream of the confluence of Pecan Creek in Cooke County, up to the normal pool elevation of 632.5 feet (impounds Elm Fork Trinity River) |
| 0841 <sup>+</sup> | <u>Lower West Fork Trinity River</u> - from a point immediately upstream of the confluence of the Elm Fork Trinity River in Dallas County to a point immediately upstream of the confluence of Village Creek in Tarrant County                     |

## BAYS AND ESTUARIES (24)

Segments that contain multiple bays are shown with separate labels for each bay. Only the bays and estuaries associated with this basin are listed here.

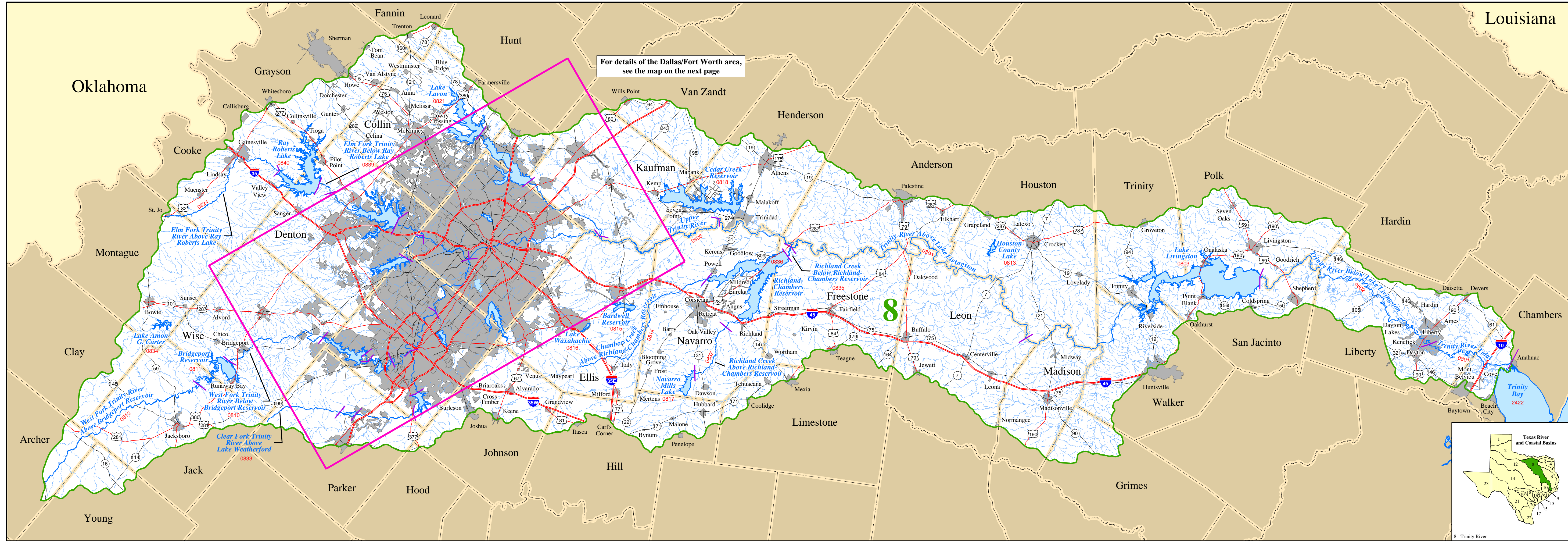
- |      |                      |
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| 2422 | <u>Trinity Bay</u> * |
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<sup>+</sup> See this segment on the map of the Dallas/Fort Worth area, page 15.

<sup>♦</sup> A portion of this segment is also on the map of the Dallas/Fort Worth area, page 15.

\* The segment boundary is considered to be the mean high tide line.





### Trinity River Basin

**Level III Ecoregions:**

### Legend

- Interstate Highway
- U.S. Highway
- State Highway
- Classified Segment Number
- Classified Stream Segment
- Minor Stream
- Reservoir, Bay, Estuary
- Segment Boundary
- Basin Boundary
- City Boundary
- County Boundary

Note: All features except county lines and some city boundaries are clipped to the extent of the watershed.

Source: The county boundaries and major streams were acquired from the U.S. Census Bureau and are part of the 1992 TIGER/Line dataset (1:100,000). The minor streams are based on the Environmental Protection Agency's River Reach File Version 3.0 Alpha Release (RF3-Alpha) completed in 1998 at a scale of 1:100,000. The river basins are derived from 1974 Hydrologic Unit Map of Texas (1:500,000) and were digitized by the U.S. Geological Survey in 1990. The classified stream segment names, numbers, and boundaries are defined in Title 30, Chapter 307 of the Texas Administrative Code (TAC) and were revised by the Texas Commission on Environmental Quality in 2000. The highway data are based on enhanced U.S. Census Bureau 1990 TIGER/Line data (1:100,000) published in 1992 by Geographic Data Technology (GDT), Inc. The cities were derived from U.S. Census Bureau 1998 TIGER/Line data (1:100,000).

Scale 1:765,000

Projection: Texas Statewide Mapping System (TSMS)

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